

FIG. 1

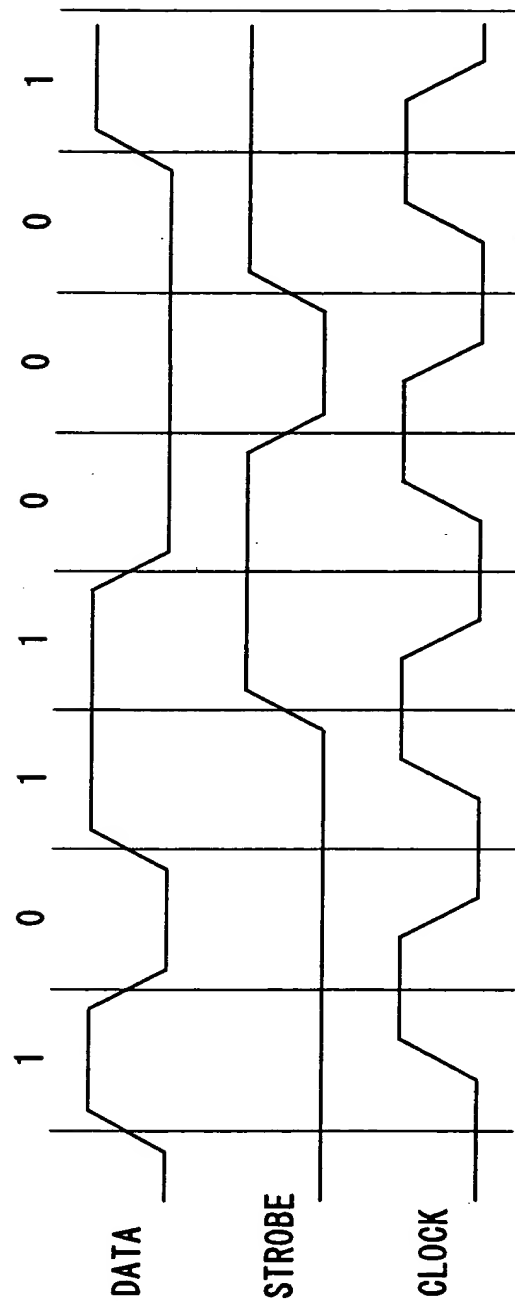
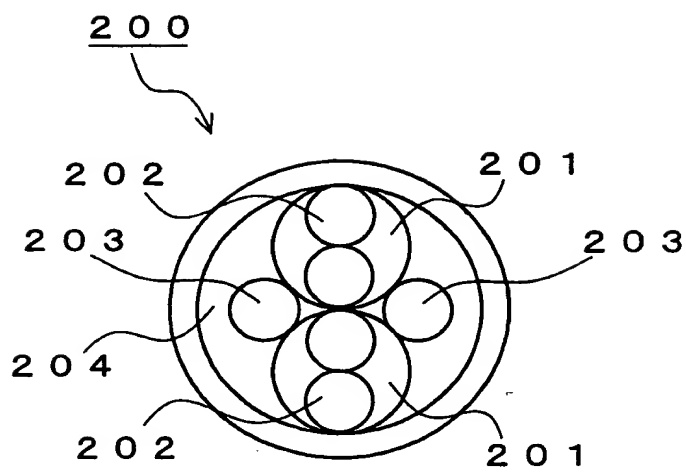


FIG. 2



0940490.042301
10E240" 0540490



FIG. 5

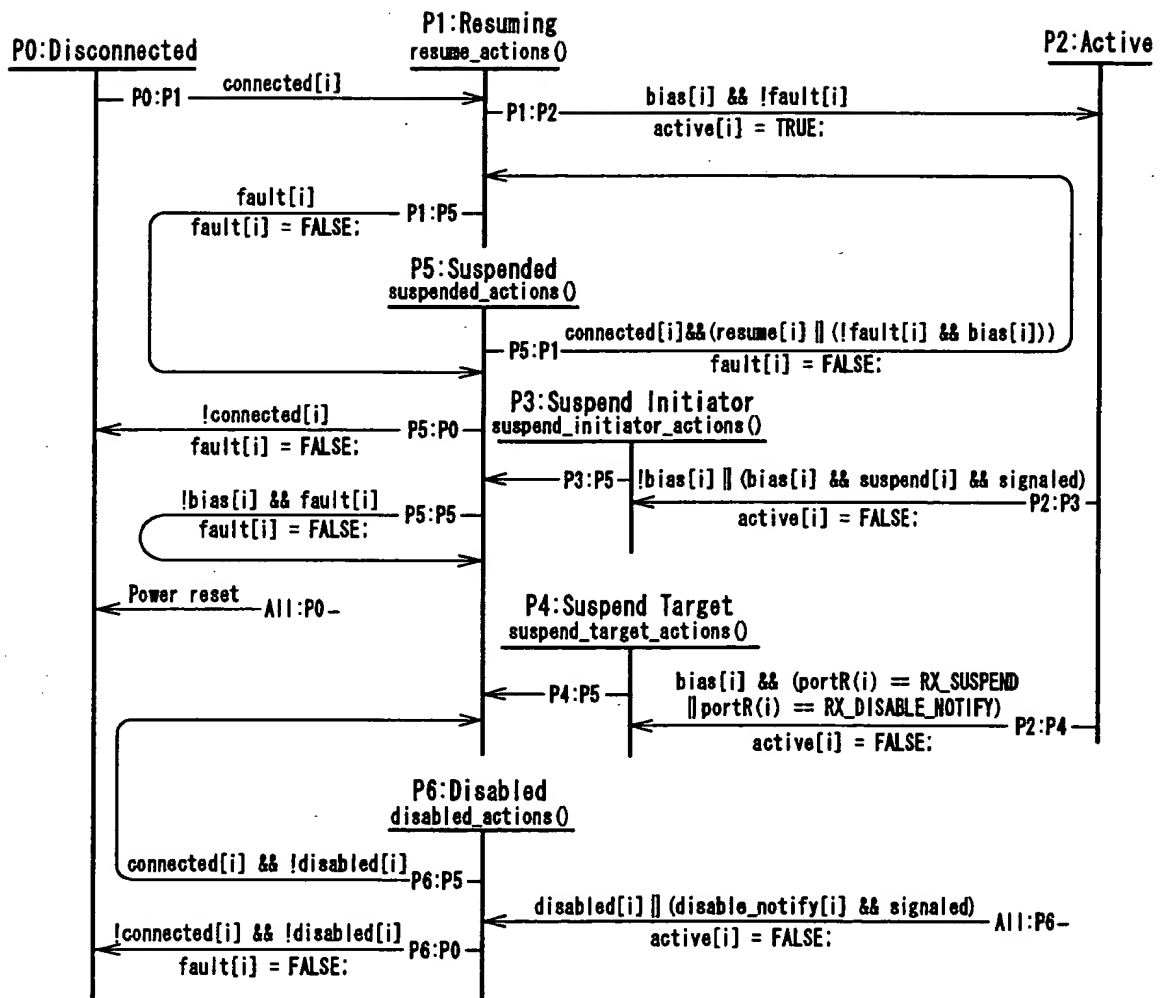


FIG. 6A

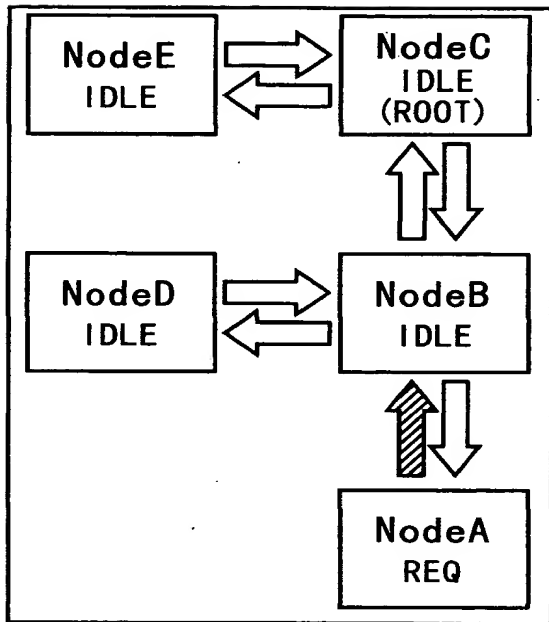


FIG. 6B

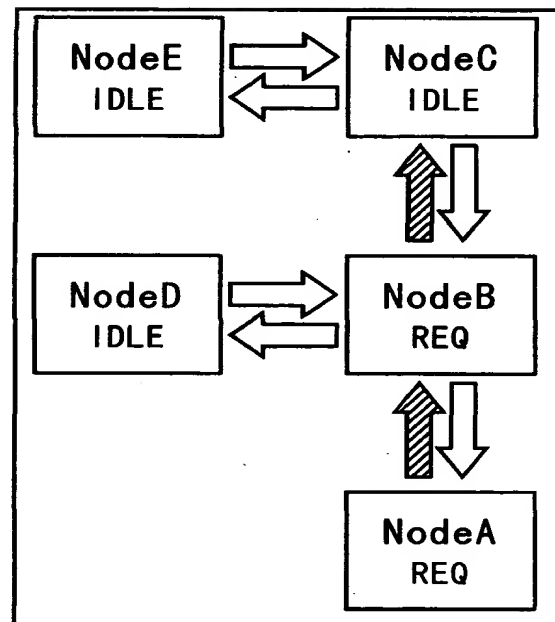


FIG. 6C

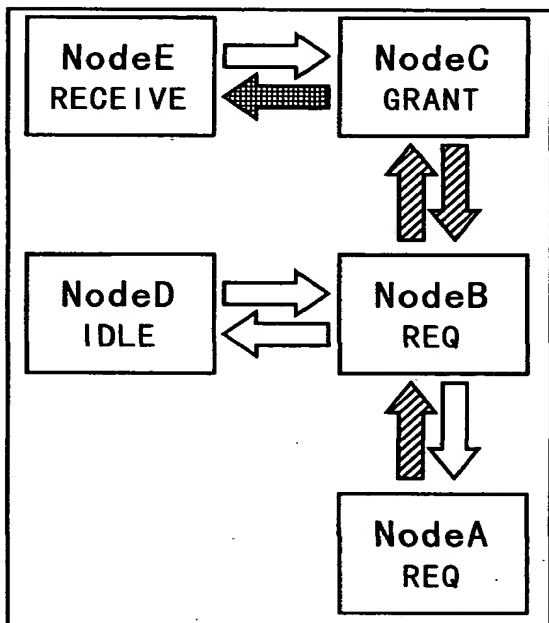


FIG. 6D

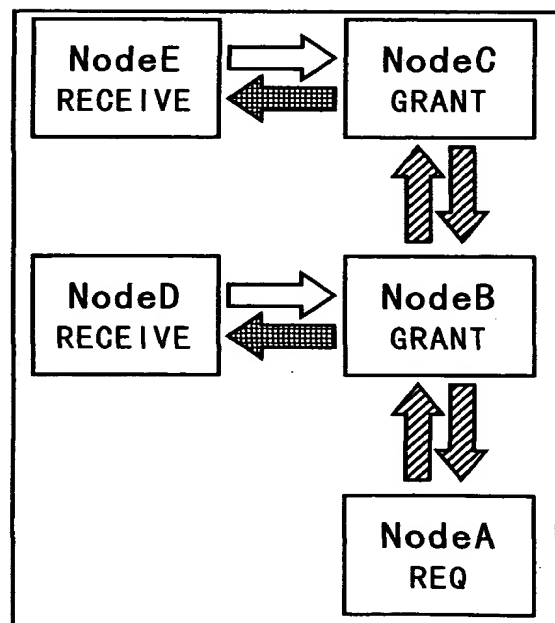


FIG. 7 A

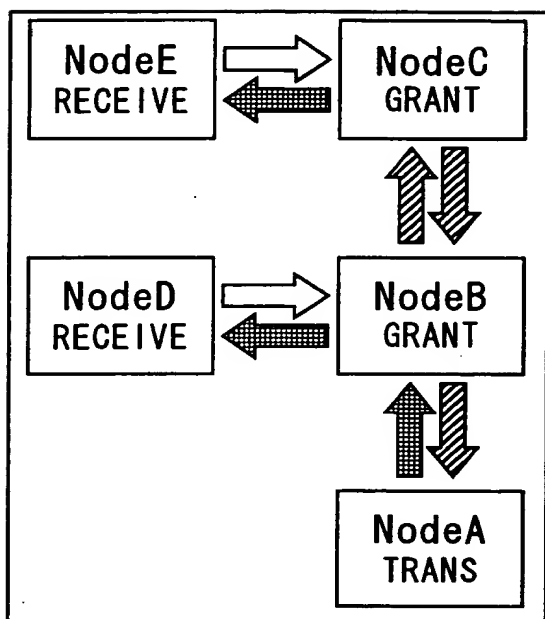


FIG. 7 B

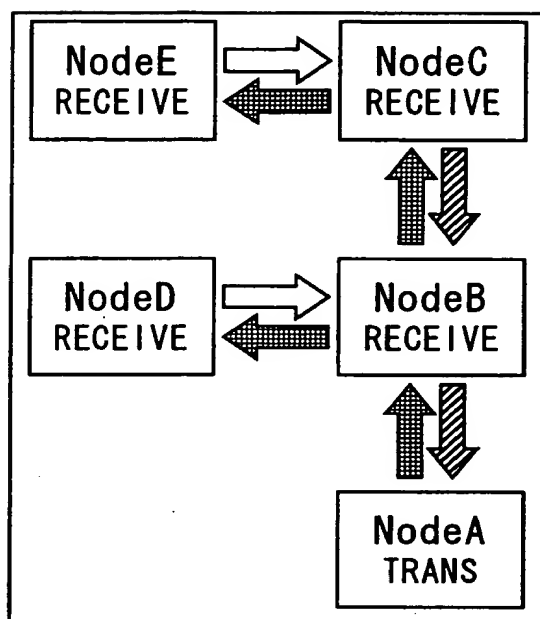


FIG. 7 C

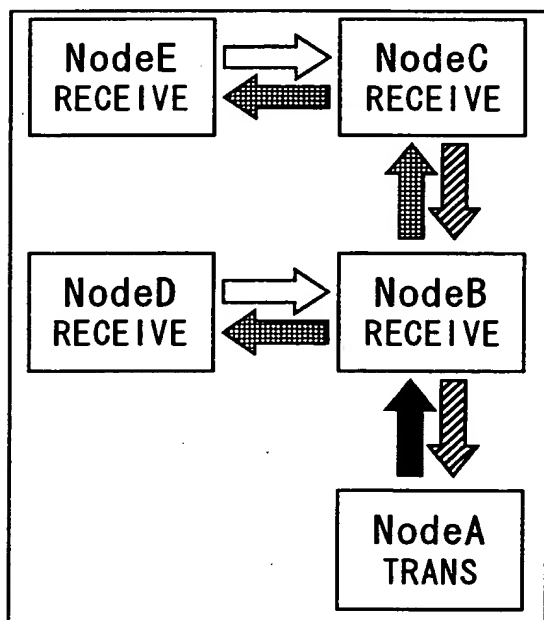


FIG. 7 D

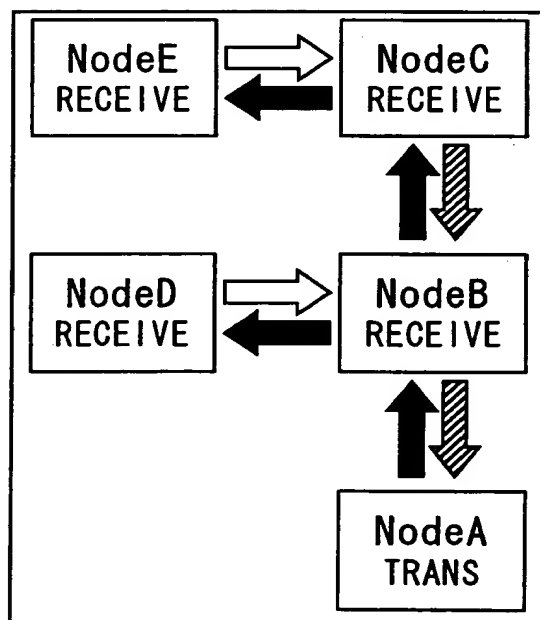


FIG. 8 A

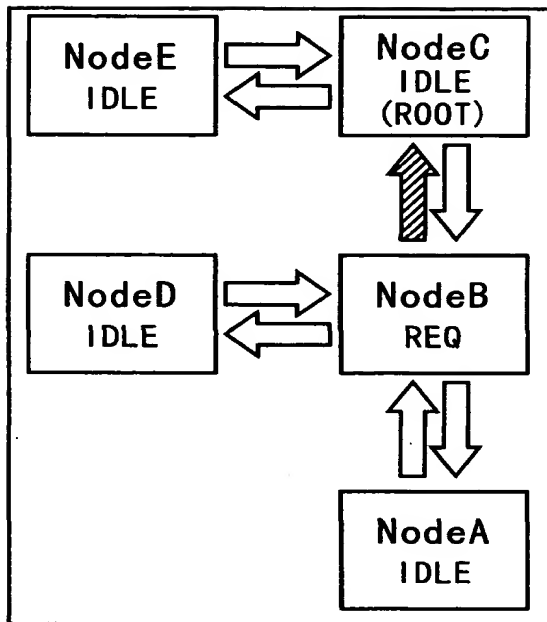


FIG. 8 B

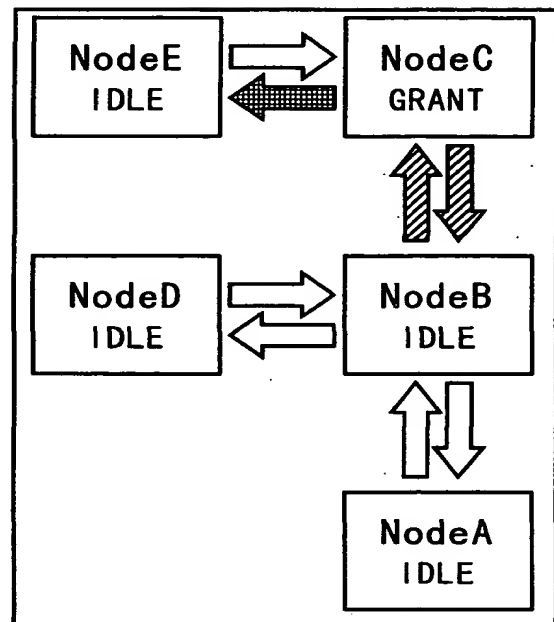


FIG. 8 C

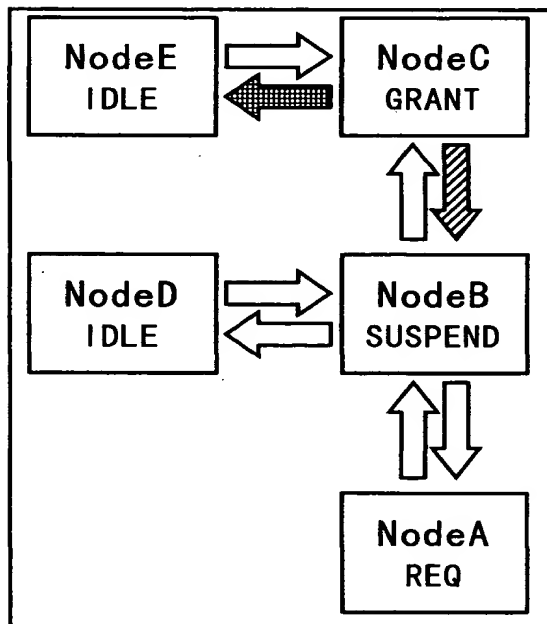


FIG. 9A

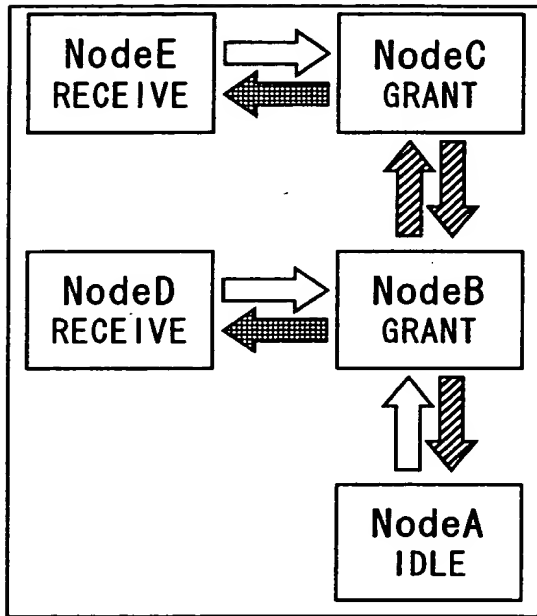


FIG. 9B

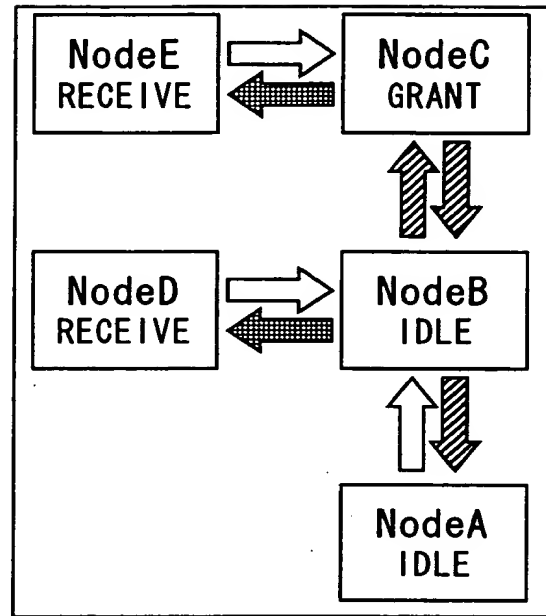


FIG. 9C

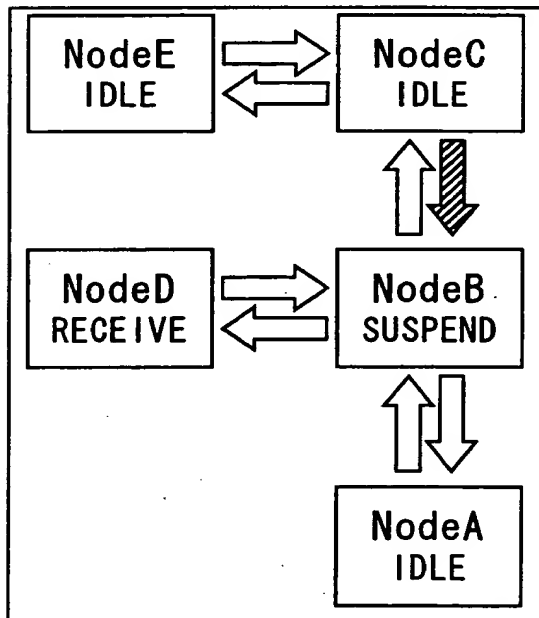


FIG. 10

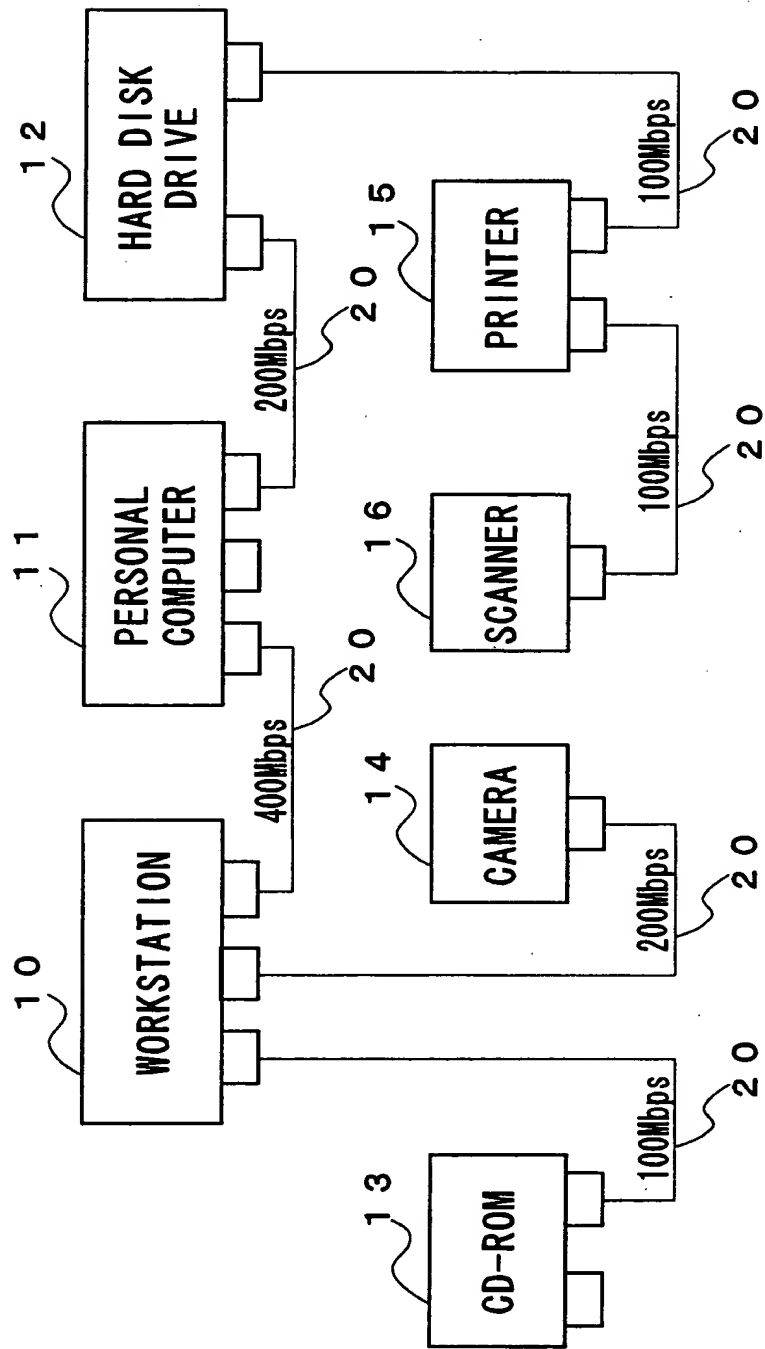


FIG. 11

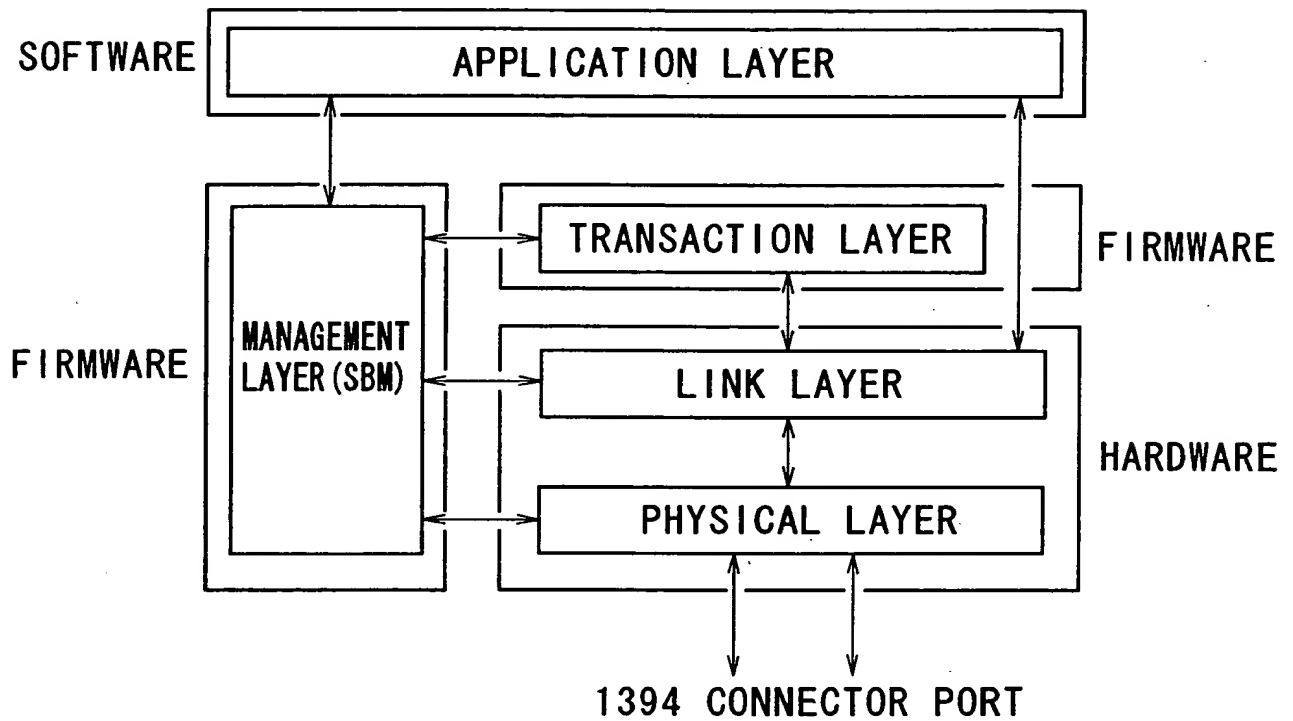


FIG. 12

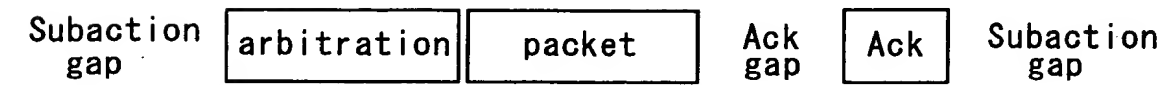


FIG. 13A

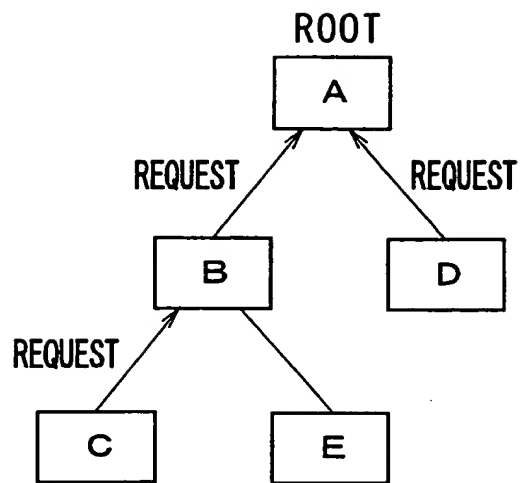


FIG. 13B

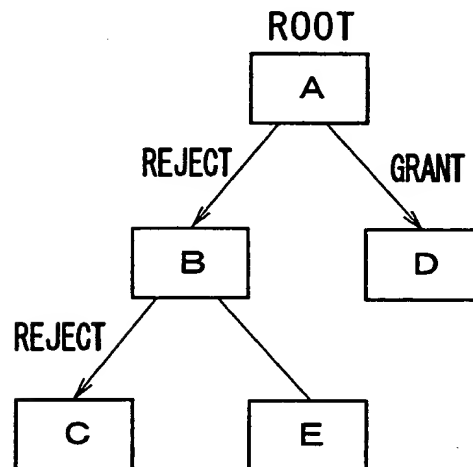


FIG. 14

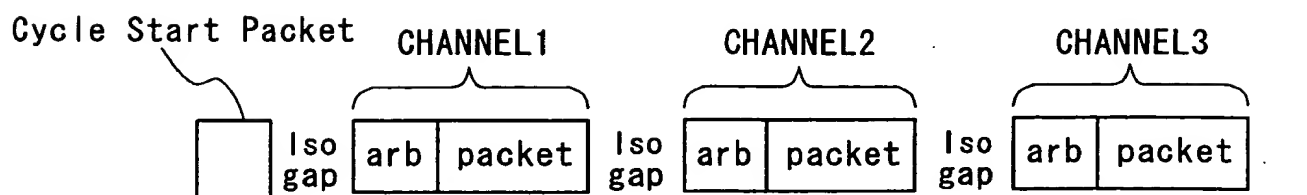


FIG. 15

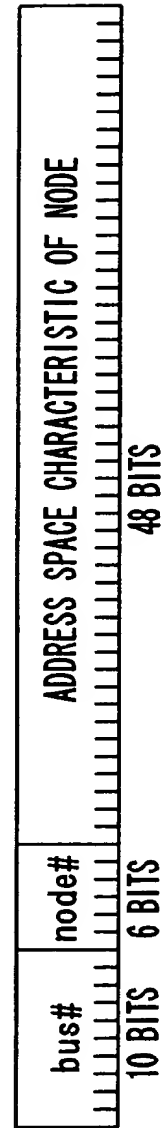
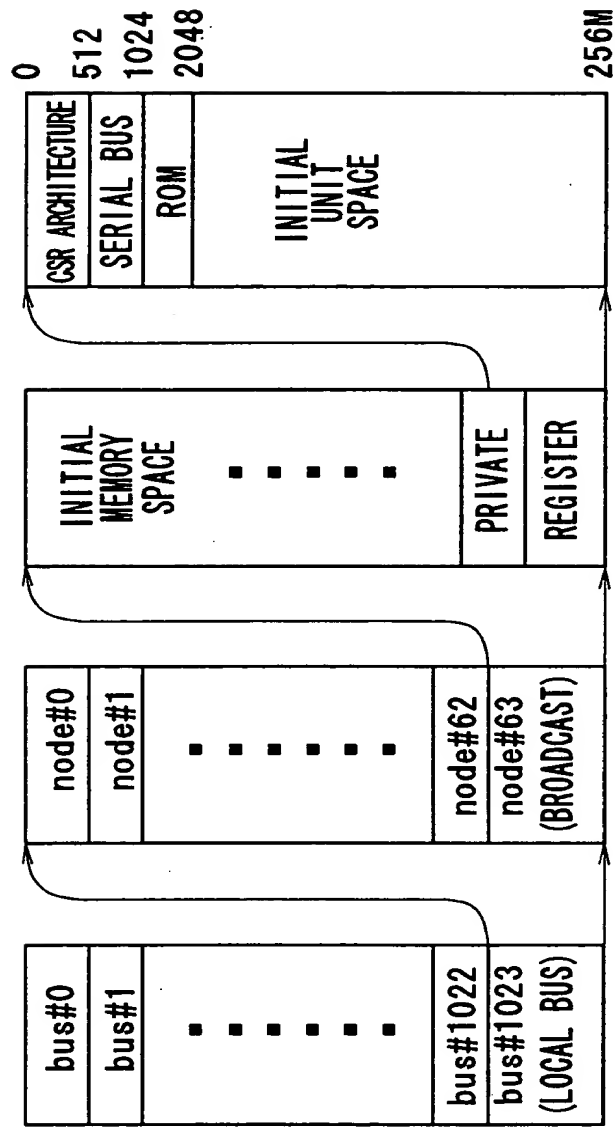


FIG. 16

OFFSETS	NAMES	FUNCTIONS
000h	STATE_CLEAR	STATE AND CONTROL INFORMATION
004h	STATE_SET	SET STATE_CLEAR BIT
008h	NODE_IDS	INDICATE 16-BIT NODE ID
00Ch	RESET_START	START COMMAND RESET
018h-01Ch	SPLIT_TIMEOUT	PRESCRIBE MAXIMUM TIME OF SPLIT
200h	CYCLE_TIME	CYCLE TIME
210h	BUSY_TIMEOUT	PRESCRIBE LIMIT OF RETRY
21Ch	BUS_MANAGER	INDICATE BUS MANAGER ID
220h	BANDWIDTH_AVAILABLE	INDICATE BANDWIDTH THAT CAN BE ASSIGNED TO ISOCHRONOUS COMMUNICATION
224h-228h	CHANNELS_AVAILABLE	INDICATE USED STATE OF EACH CHANNEL

FIG. 17

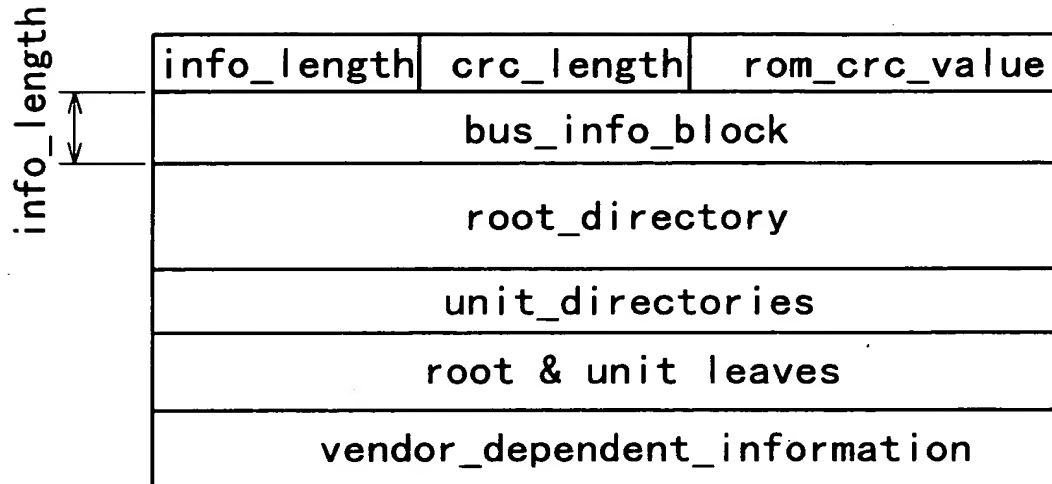


FIG. 19

900h	Output Master Plug Register
904h	Output Plug Control Register #0
908h	Output Plug Control Register #1
⋮	⋮
97Ch	Output Plug Control Register #30
980h	Input Master Plug Register
984h	Input Plug Control Register #0
988h	Input Plug Control Register #1
⋮	⋮
9FCh	Input Plug Control Register #30

FIG. 18

400h	04h	crc_length	rom_crc_value
------	-----	------------	---------------

Bus_info_block

404h	"1394"		
408h	img	img	reserved
40Ch	Company_ID		Chip_ID_hi
410h	Chip_ID_lo		

Root_directory

414h	root_length	CRC
418h	03h	module_vendor_id
41Ch	0Ch	node_capabilities
420h	8Dh	node_unique_id offset
424h	D1h	unit_directory_offset
428h	Optional.	

Unit_directory

unit_directory_length	CRC
12h	unit_spec_id
13h	unit_sw_version
Optional.	

FIG. 18 is a block diagram of a data structure for a 1394 device.

FIG. 20A

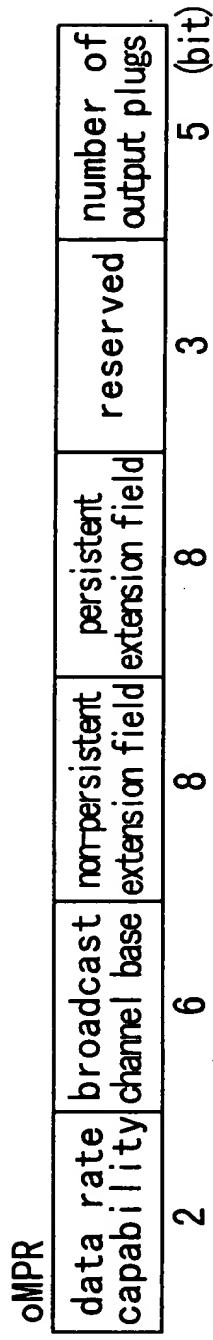


FIG. 20B

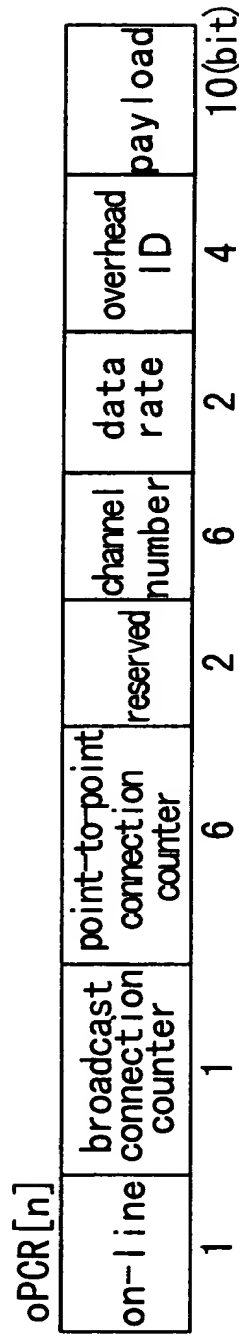


FIG. 20C

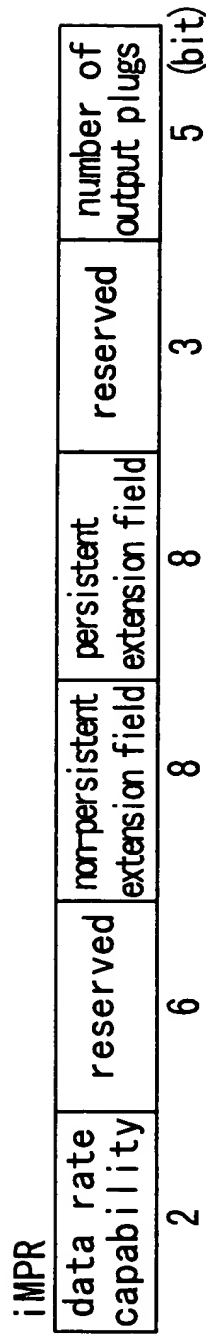


FIG. 20D

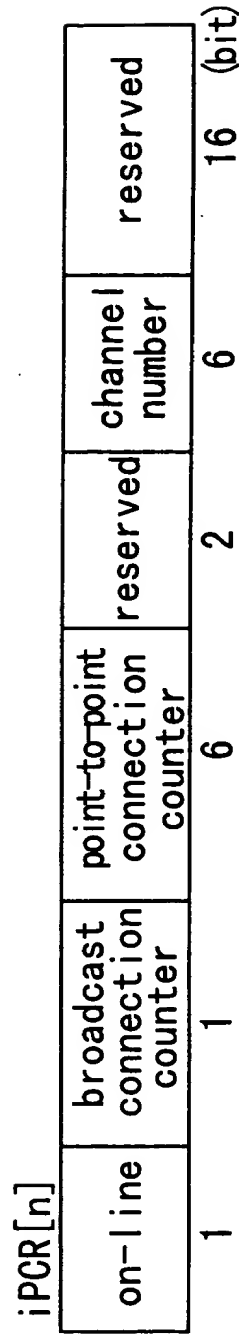


FIG. 21

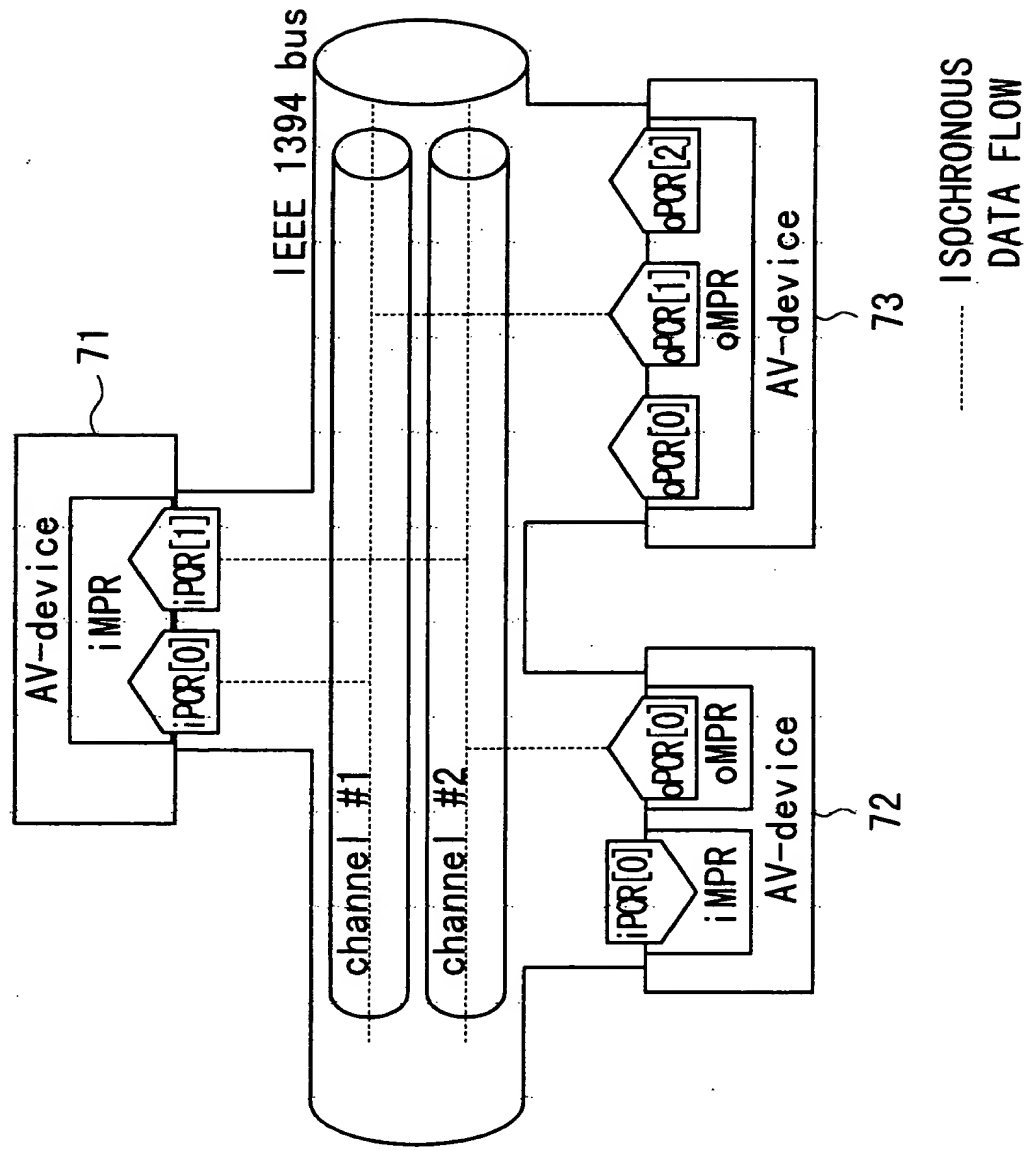


FIG. 22

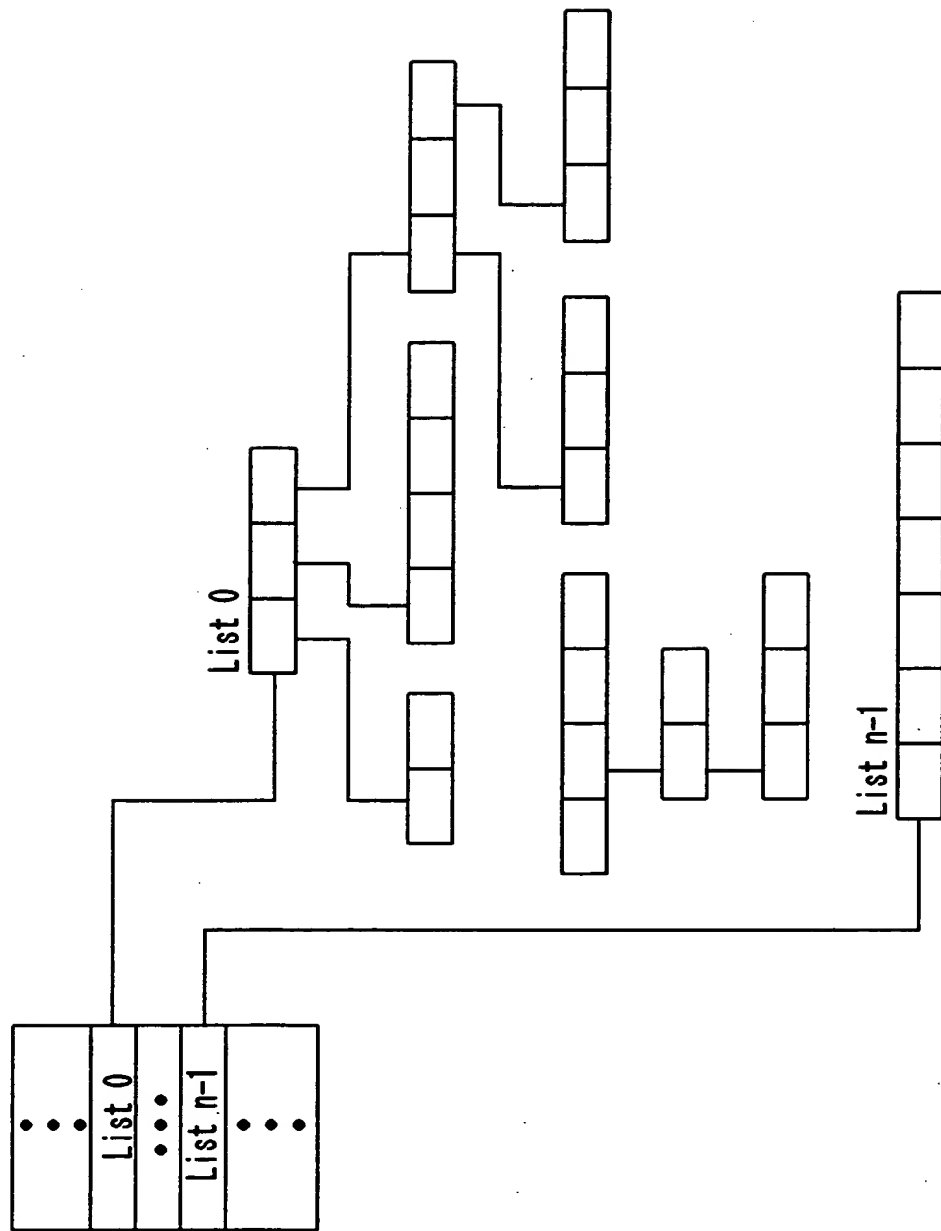


FIG. 23

The General Subunit Identifier Descriptor	
address	contents
00 00 ₁₆	descriptor_length
00 01 ₁₆	
00 02 ₁₆	generation_ID
00 03 ₁₆	size_of_list_ID
00 04 ₁₆	size_of_object_ID
00 05 ₁₆	size_of_object_position
00 06 ₁₆	number_of_root_object_lists(n)
00 07 ₁₆	
00 08 ₁₆	root_object_list_id_0
	root_object_list_id_n-1
	subunit_dependent_length
	subunit_dependent_information
	manufacturer_dependent_length
	manufacturer_dependent_information

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F I G . 2 4

generation_ID values	
generation_ID	meaning
00 ₁₆	Data structures and command sets as specified in the AV/C General Specification, version 3.0
all others	reserved for future specification

F I G . 2 5

List ID Value Assignment Ranges	
range of values	list definition
0000 ₁₆ –0FFF ₁₆	reserved
1000 ₁₆ –3FFF ₁₆	subunit-type dependent
4000 ₁₆ –FFFF ₁₆	reserved
1 0000 ₁₆ –max list ID value	subunit-type dependent

FIG. 26

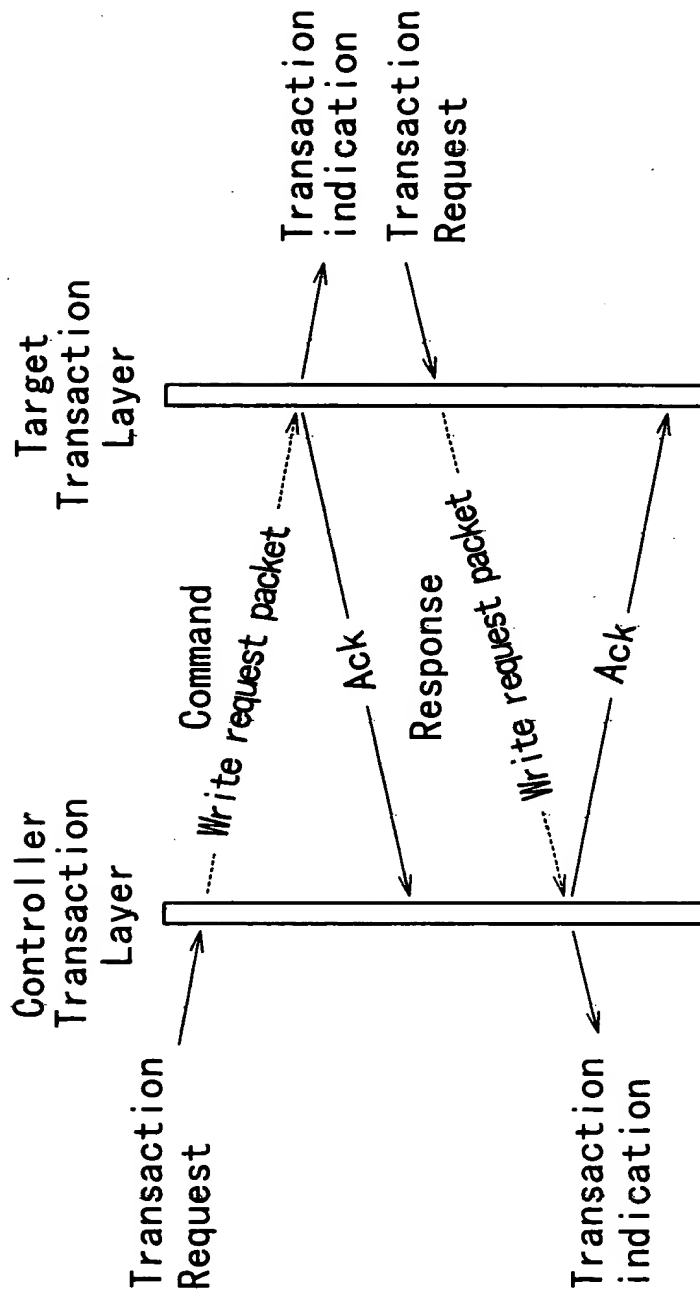


FIG. 27

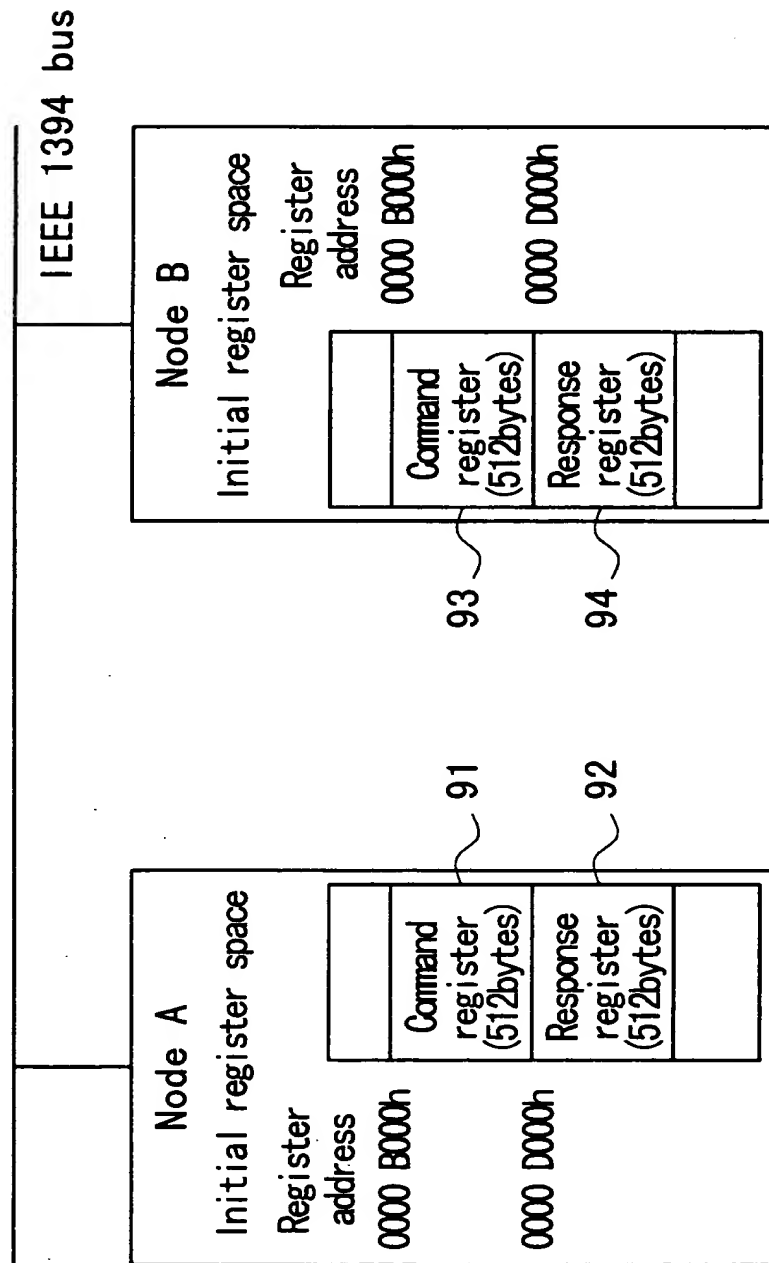
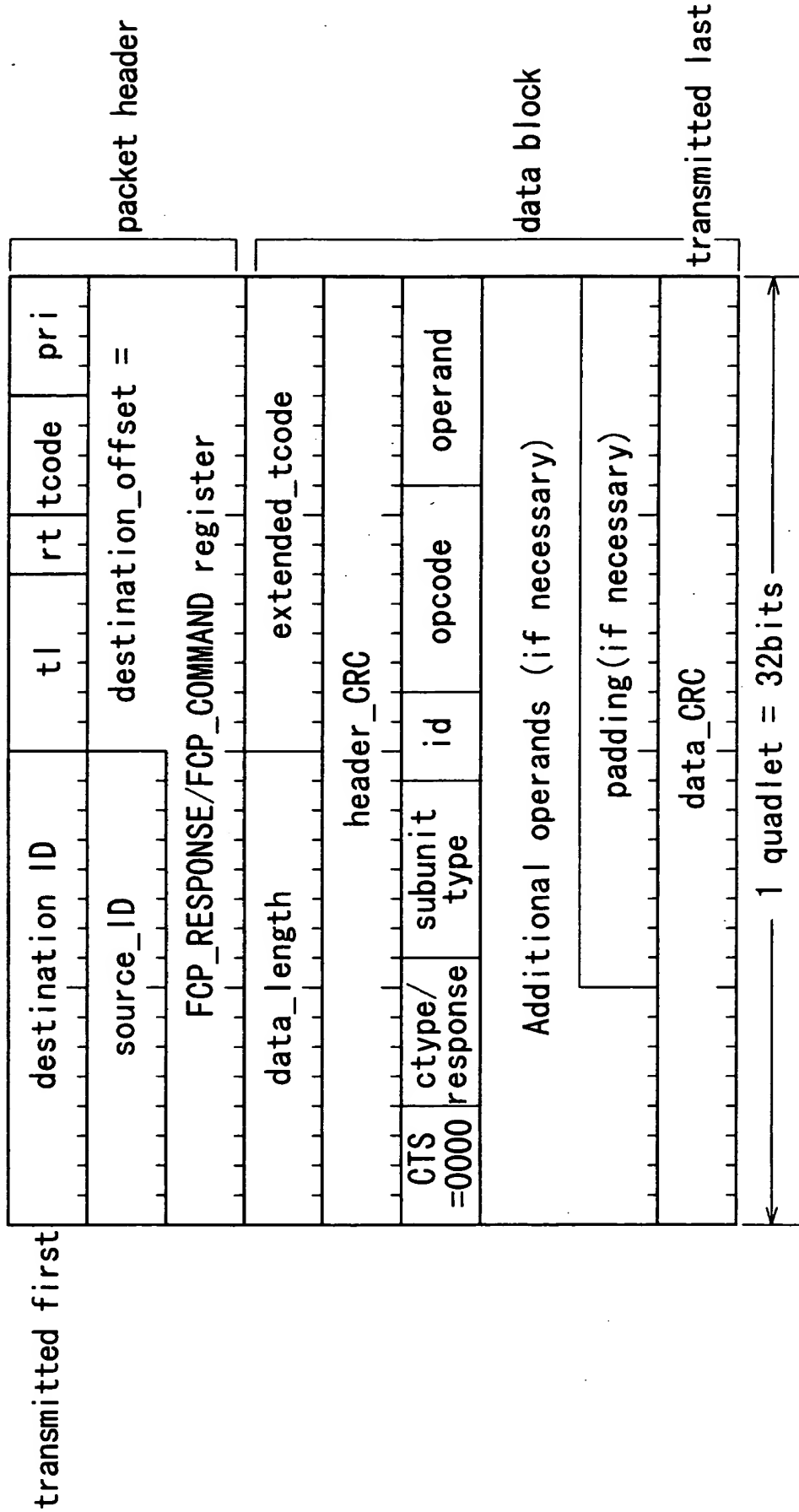


FIG. 28

Asynchronous Packet (Write Request for Data Block)



ctype/response		subunit_type		opcode:Operation Code	
Command	0000	CONTROL		0000	VENDOR-DEPENDENT
	0001	STATUS		50h	SEARCH MODE
	0010	SPECIFIC INQUIRY		51h	TIMECODE
	0011	NOTIFY		52h	ATN
	0100	GENERAL INQUIRY		60h	OPEN MIC
Response	0101	(reserved for future specification)		61h	READ MIC
	0111	(reserved for future specification)		62h	WRITE MIC
	1000	NOT IMPLEMENTED		C1h	LOAD MEDIUM
	1001	ACCEPTED		C2h	RECORD
	1010	REJECTED		C3h	PLAY
	1011	IN TRANSITION		C4h	WIND
	1100	IMPLEMENTED/STABLE		}	}
	1101	CHANGED			
	1110	(reserved for future specification)			
	1111	INTERIM			

FIG. 29A

FIG. 29B

FIG. 29C

FIG. 30A

AV/C control		tape recorder IN THE CASE /player OF ID0		PLAY	FORWARD
CTS=0000	ctype=0000	subunit type=00100	id=000	opcode=C3h	operand=75h

FIG. 30B

AV/C accepted		tape recorder IN THE CASE /player OF ID0		PLAY	FORWARD
CTS=0000	response=1001	subunit type=00100	id=000	opcode=C3h	operand=75h

FIG. 31

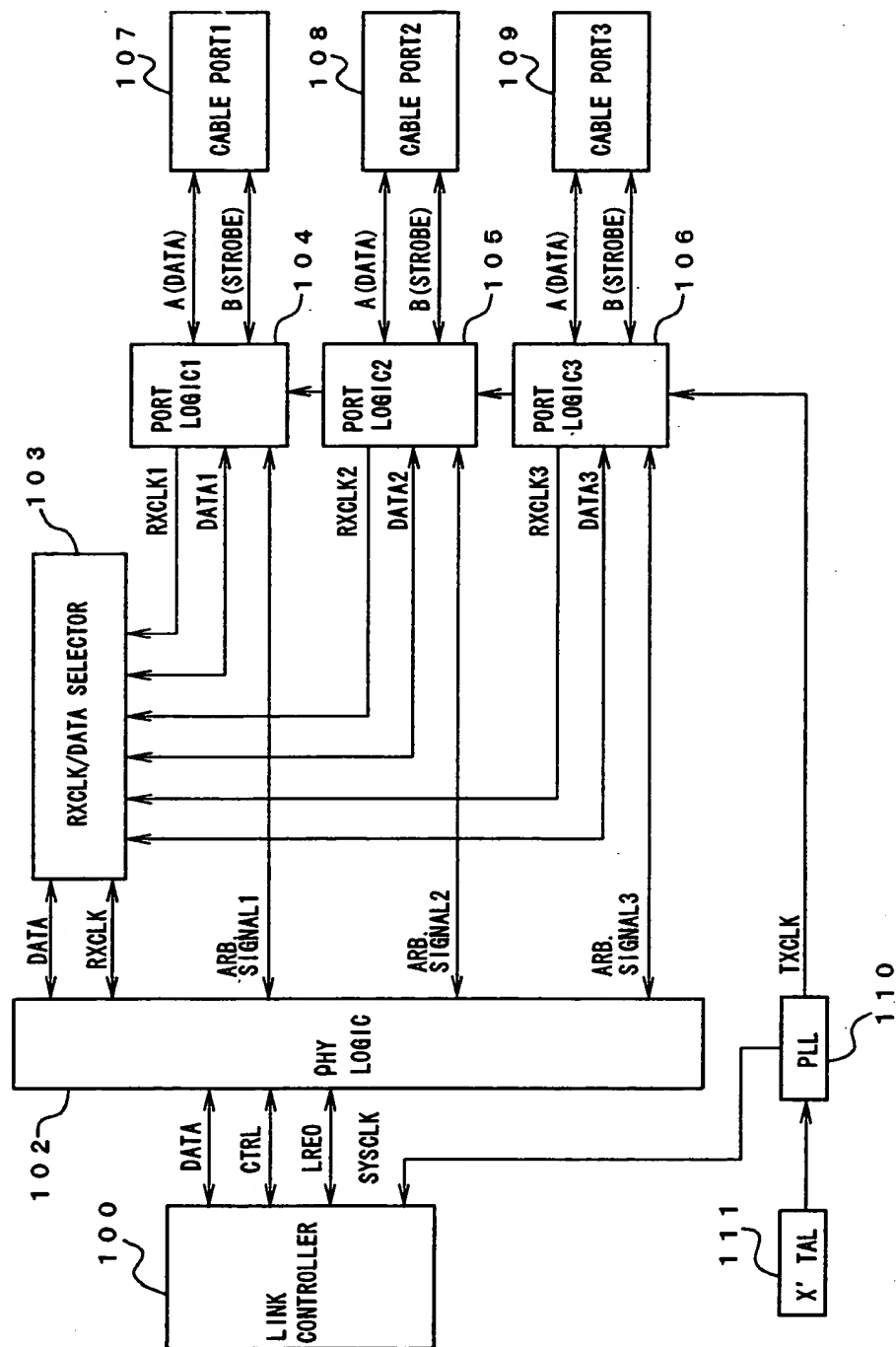


FIG. 32

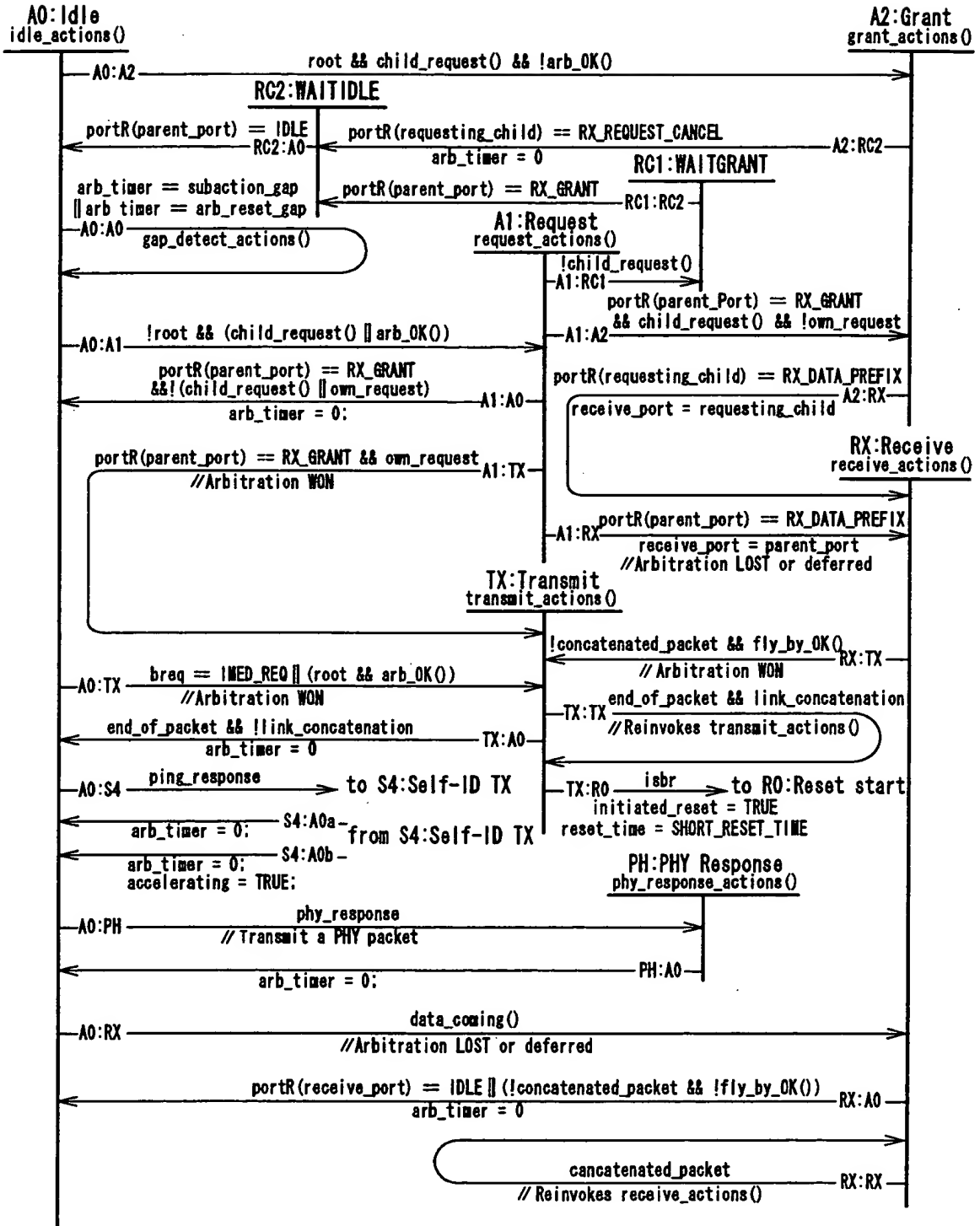


FIG. 32

FIG. 33A

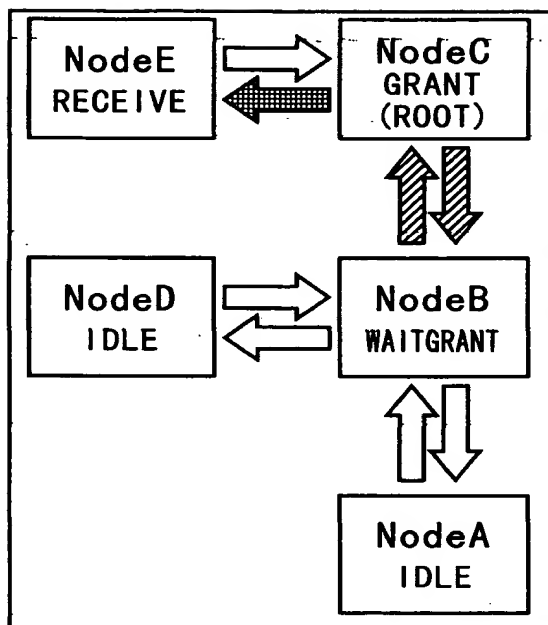


FIG. 33B

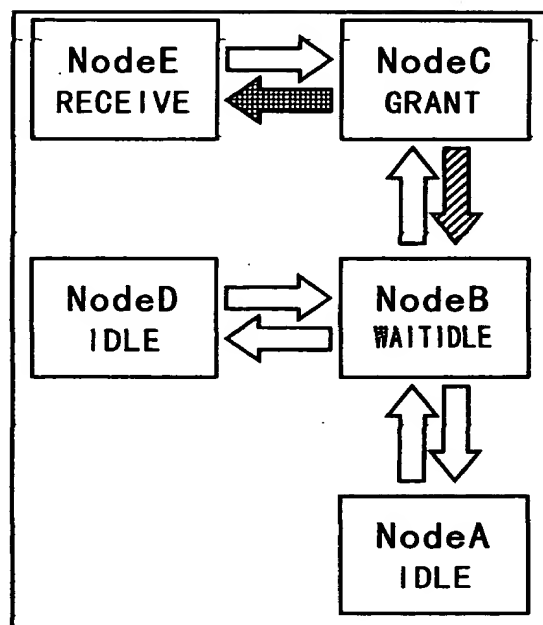


FIG. 33C

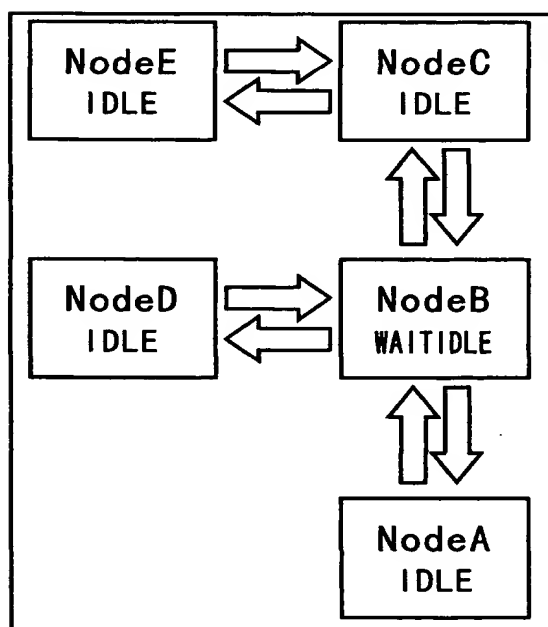


FIG. 33D

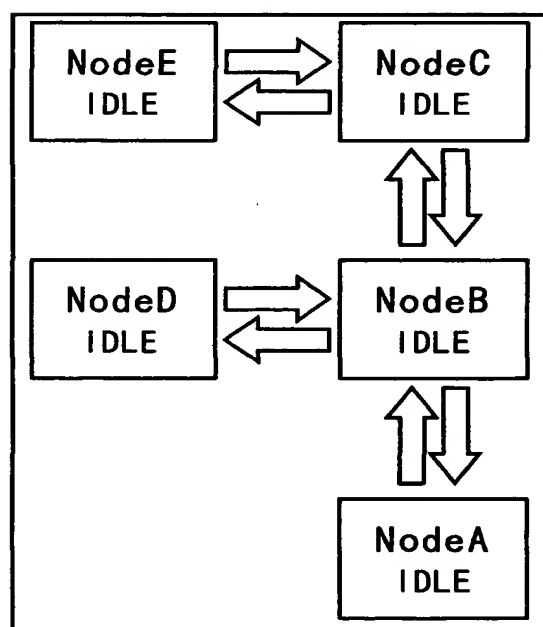


FIG. 34 A

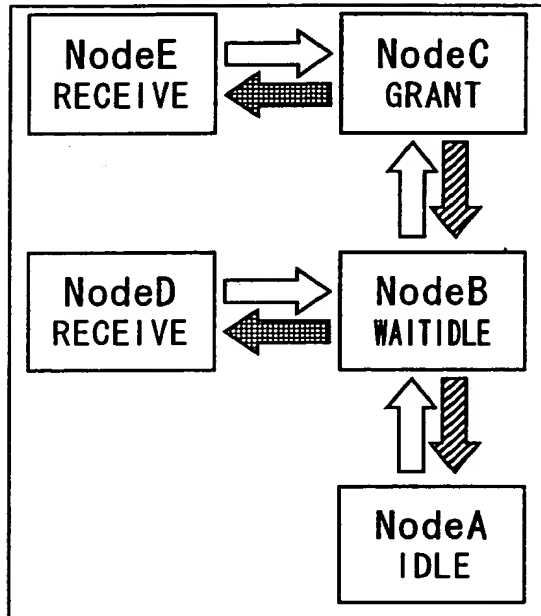


FIG. 34 B

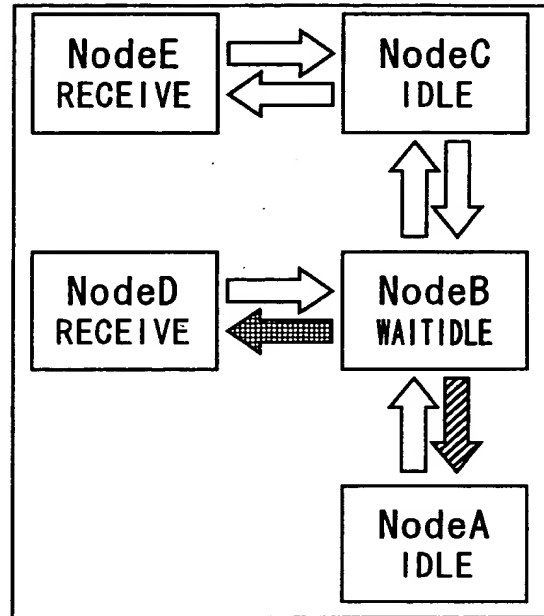


FIG. 34 C

